

**CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX,
SOLUTION STRUCTURE OF *B. SUBTILIS* ACP, AND USES THEREOF**

Abstract of the Disclosure

This invention is directed to the crystal structure of Acyl Carrier Protein

5 Synthase (ACPS) complexed with Acyl Carrier Protein (ACP), the solution structure of *B. subtilis* ACP, and to the use of these structures in rational drug design methods to identify agents that may interact with active sites of ACPS and ACP, and to the testing of these agents to identify agents that may represent novel antibiotics.